

### TINA2-D

~16° diffused spot beam optimized for CREE XP-E. Assembly with holder, installation tape and location pins.

### **TECHNICAL SPECIFICATIONS:**

**Dimensions** Ø 16.0 mm

Height 9.5 mm

Fastening tape, pin

Colour black

Box size 451 x 241 x 298 mm

Box weight 8.1 kg

4140 pcs Quantity in Box

ROHS compliant ves 🕕

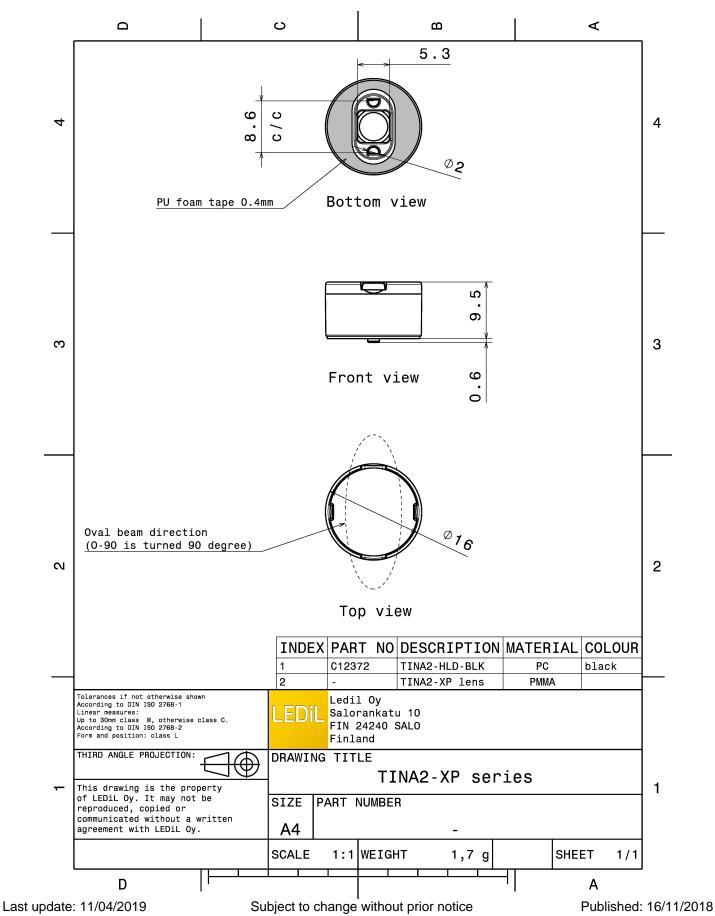


### **MATERIAL SPECIFICATIONS:**

Component	Туре	Material	Colour
TINA2-XP-D TINA2-HLD-BLK	Single lens Holder	PMMA PC	clear black

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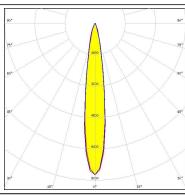
### PHOTOMETRIC DATA (MEASURED):

## CREE 💠

LED XB-H
FWHM 16.0°
Efficiency 86 %
Peak intensity 7.700 cd/lm

LEDs/each optic 1
Light colour White
Required components:



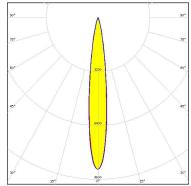


### CREE 🕏

LED XD16
FWHM 14.0°
Efficiency 82 %
Peak intensity 9.000 cd/lm

LEDs/each optic 1 Light colour White Required components:





## **DESCRIPTION**

LED LUXEON Z ES

FWHM 12.0°
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:



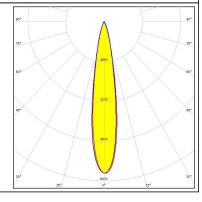
## **WNICHIA**

LED NVSxx19B/NVSxx19C

FWHM 18.0° Efficiency 87 % Peak intensity 6.100 cd/lm

LEDs/each optic 1
Light colour White
Required components:





### PHOTOMETRIC DATA (MEASURED):

### **OSRAM**

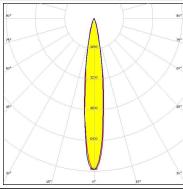
LED

OSLON Square EC

**FWHM** 16.0° Efficiency 82 % Peak intensity 7.940 cd/lm

LEDs/each optic 1 Light colour White Required components:





## OSRAM Opto Semiconductors

LED OSLON Square EC

**FWHM** 16.0° 87 % Efficiency Peak intensity 6.200 cd/lm

LEDs/each optic 1 White Light colour Required components:

## OSRAM Opto Semiconductors

LED OSLON Square PC

**FWHM** 13.0° Efficiency 87 % Peak intensity 6.300 cd/lm

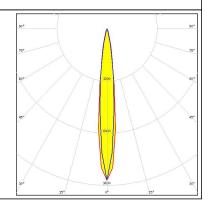
LEDs/each optic 1 Light colour White Required components:

## OSRAM Opto Semiconductors

LED OSLON SSL 150

**FWHM** 14.0° Efficiency 89 % 9.300 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:





## PHOTOMETRIC DATA (MEASURED):

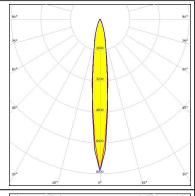
#### OSRAM Opto Semiconductors

Opto Semiconduct

OSLON SSL 80

FWHM 12.0° Efficiency 87 % Peak intensity 7.855 cd/lm

LEDs/each optic 1 Light colour White Required components:





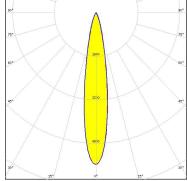
LED Z5M3

FWHM 18.0° Efficiency 86 %

Peak intensity 5.600 cd/lm LEDs/each optic 1

Light colour White Required components:





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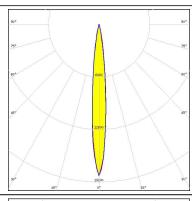
### PHOTOMETRIC DATA (SIMULATED):

## CREE 💠

LED XQ-E HI **FWHM** 11.0° Efficiency 91 %

Peak intensity 18.500 cd/lm

LEDs/each optic 1 Light colour White Required components:



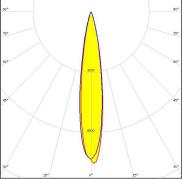
## OSRAM Opto Semiconductors

LED Duris S5 (2 chip)

**FWHM** 17.0° 92 % Efficiency Peak intensity 8.030 cd/lm

LEDs/each optic 1 White Light colour Required components:



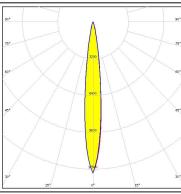


## OSRAM Opto Semiconductors

LED OSCONIQ P 3030

**FWHM** 12.0° Efficiency 91 % Peak intensity 13.173 cd/lm

LEDs/each optic 1 Light colour Blue Required components:



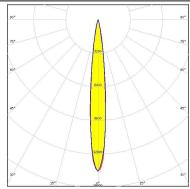
## OSRAM Opto Semiconductors

LED OSLON Square Flat

**FWHM** 12.0° Efficiency 91 % Peak intensity 14.470 cd/lm

LEDs/each optic 1 White Light colour Required components:





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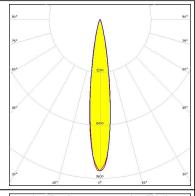


## PHOTOMETRIC DATA (SIMULATED):

## **SAMSUNG**

LED LH181B **FWHM** 16.0° Efficiency 92 % Peak intensity 9.200 cd/lm

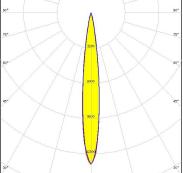
LEDs/each optic 1 Light colour White Required components:



SEOUL SEOUL SEMICONDUCTOR

LED Z8Y15 **FWHM** 13.0° Efficiency 90 % Peak intensity 13.770 cd/lm

LEDs/each optic 1 Light colour White Required components:





### **GENERAL INFORMATION:**

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

### **MATERIALS:**

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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